

**ORIGINAL ARTICLE****Connecting Emotional Intelligence with Academic Performance and Family Dynamics among Fresh Undergraduates in a Health Sciences University: Preliminary Findings****Joshua Falade<sup>1\*</sup>, Ezekiel Taiwo Adebayo<sup>2</sup>, Benjamin Adekunle Eegunranti<sup>3</sup>, Adesegun Olayiwola Fatusi<sup>4</sup>****OPEN ACCESS**

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**ABSTRACT**

**BACKGROUND:** Emotional intelligence (EI) is vital in various life domains, particularly for new undergraduates in health sciences. The study assessed the prevalence and associated factors of above-average EI among fresh undergraduates in a health sciences university.

**METHODS:** A cross-sectional descriptive study was conducted at UNIMED Ondo, assessing socio-demographic characteristics, family dynamics, psychiatric morbidity, and EI through questionnaires. Data were analyzed with SPSS 21 from November 2023 to January 2024.

**RESULTS:** The prevalence of above-average EI was 92.9%. Respondents with married parents had significantly higher odds of above-average EI compared to those with non-married parents (odds ratio: 13.466,  $p < 0.001$ ). Respondents who self-identified as academically "good" had 0.059 times lower odds of above-average EI compared to those who identified as "very good" academically ( $p < 0.001$ ). The odds of above-average EI increased by one for each scale increase in monthly allowance ( $p = 0.034$ ). Conversely, the odds decreased by 0.889 for each scale increase in Post United Matriculation Examination score ( $p < 0.001$ ). The odds of above-average EI also decreased by 0.481 for each scale increase in the number of children the mother had (OR = 0.481,  $p < 0.001$ ).

**CONCLUSIONS:** Fresh health sciences undergraduates demonstrated high EI, which positively impacted academic performance. Strengthening family systems is critical for enhancing EI.

**KEYWORDS:** Emotional intelligence, Family dynamics, Psychiatric morbidity, Academic performance, Fresh undergraduates, Health sciences.

## INTRODUCTION

The concept of intelligence has existed for as long as human history and is closely tied to cognitive skills (1). In addition to cognitive intelligence, other types of intelligence, such as emotional, social, and financial intelligence, have been identified as indicators of overall adjustment (2). Emotional intelligence (EI), as defined by Salovey and Mayer, refers to the ability to monitor one's own and others' emotions, discriminate among them, and use this information to guide thinking and action (3). Researchers have proposed a four-branch ability theory of EI, which categorizes EI into perceiving emotion, using emotion to facilitate thought, understanding emotions, and managing emotions. These branches reflect the progression of emotional intelligence skills from perception to management, ultimately shaping a person's personality. EI has been shown to be a critical factor in academic success and overall achievement in various educational settings (4).

A study found that emotional intelligence positively influenced academic performance among medical undergraduates, with higher EI linked to lower levels of perceived stress and better academic outcomes (5). Other studies, including one in Sri Lanka, also found a significant correlation between EI and academic performance among medical students (6). Similarly, research in Pakistan indicated that EI positively impacted academic success among undergraduates (7). These findings emphasize the importance of EI in academic settings and its role in academic achievement.

Emotional intelligence has also been shown to correlate with mental well-being, with high EI serving as a protective factor against psychological risks, such as burnout and psychosomatic complaints (8). For health sciences students, EI has been linked to better mental health outcomes. Family structure also plays a significant role in emotional intelligence, with a stable and supportive family environment fostering the development of healthy emotional skills (9). Authoritative parenting, in particular, has been positively correlated with higher EI in children, while

authoritarian and permissive parenting styles are linked to lower EI (10).

In Nigeria, low EI among undergraduates has been shown to negatively impact academic performance and personal development, as students with low EI experience higher levels of anxiety and poor academic outcomes. EI, which involves recognizing and managing emotions, is crucial for effective communication and interpersonal relationships (11). Low EI among students also affects leadership skills, conflict resolution, and other life skills. As studies show a strong relationship between EI and academic success, integrating EI development into educational curricula could help nurture well-rounded graduates capable of excelling both academically and professionally (12).

Despite its importance, the educational system has traditionally focused more on developing IQ rather than EI. Standardized IQ tests have long been used as the primary measure of academic success, emphasizing cognitive abilities over emotional development (13). This focus on IQ often overlooks the significance of emotional skills, such as empathy and resilience, which are vital for personal and professional success (14).

Furthermore, societal expectations have reinforced this emphasis on IQ. Parents, educators, and administrators often prioritize academic achievement based on test scores and grades, diminishing the perceived value of EI (15). This systemic focus on IQ can hinder the development of essential soft skills that are crucial for navigating complex personal and professional challenges.

While there is extensive literature on the relationship between EI, academic performance, family dynamics, and psychiatric morbidity, there is a gap in understanding the prevalence and predictors of EI among health sciences undergraduates. This study aims to fill that gap, providing valuable insights for improving training and reducing psychiatric morbidity in healthcare professionals.

This study aimed to examine the relationship between emotional intelligence (EI), psychiatric morbidity, and academic performance among fresh undergraduates at a Nigerian health sciences university. Specifically, it evaluated the prevalence

of EI and its associations with academic achievement, family dynamics, and psychiatric morbidity.

## MATERIALS AND METHODS

The study was conducted at the University of Medical Sciences Ondo (UNIMED), involving all fresh undergraduates enrolled in the 2023/2024 academic session. This cross-sectional study used a self-administered questionnaire to collect data.

The questionnaire covered socio-demographic details, family dynamics, and the monthly allowance received by students. It also assessed respondents' self-evaluated academic status. EI was measured using the Wong and Law Emotional Intelligence Scale, while psychiatric morbidity was assessed with the General Health Questionnaire (GHQ).

The entrance to the university was based on an aggregate score from the university's Post UTME and the Joint Admissions and Matriculation Board (JAMB) examinations. The aggregate score was calculated by dividing the UTME score by eight and the Post UTME score by two, with the maximum possible Post UTME score being 100%.

This study represents preliminary data from a five-year prospective study involving undergraduates at UNIMED. The inclusion criteria were limited to fresh undergraduates who provided informed consent.

**Sampling method and procedure:** A census approach was employed, using a cross-sectional descriptive design. Participants were randomly recruited from those undergoing routine medical screening. Consent was obtained from students who met the inclusion criteria. Participants completed self-administered questionnaires, which were then collected by the researchers and research assistants. Any incomplete questionnaires were addressed with the help of trained research assistants. Post-UTME scores were obtained from university records. The study was conducted from November 2023 to January 2024.

**Emotional intelligence questionnaire:** EI was measured using the Wong and Law Emotional Intelligence Scale (WLEIS), a widely used tool based on the ability model of EI. The scale has four dimensions: self-emotional appraisal (SEA), others' emotional appraisal (OEA), regulation of emotion

(ROE), and use of emotion (UOE) (3.). It has been validated in Nigeria (16) with a high reliability (Cronbach's alpha = 0.92) from a pilot study among selected 50 secondary school teacher. Respondents rated their agreement with 16 statements on a 7-point scale, from "strongly disagree" to "strongly agree." (17) A total EI score was computed, and respondents scoring 50% or more (48 points) were classified as having above-average EI.

**The General Health Questionnaire (GHQ):** The GHQ-12, designed by David Goldberg, is a self-administered screening tool used to detect non-psychotic psychiatric disorders (18). It uses a binary scoring system (0-0-1-1), with a score of 3 or above indicating psychiatric morbidity (19). In previous studies, the GHQ-12 has shown good reliability (alpha coefficient = 0.82 (20).

**Data analysis:** Data were analyzed using SPSS version 21. Descriptive statistics, such as frequencies, means, and standard deviations, were used to summarize the socio-demographic details. Chi-square tests were performed to explore the associations between socio-demographic factors and EI, while logistic regression identified independent predictors of EI. A 95% confidence interval was used, with statistical significance set at  $p \leq 0.05$ .

**Ethical considerations:** Ethical approval was granted by the Research Ethics Committee of the University of Medical Sciences Teaching Hospital, Ondo, Nigeria (UNIMEDTHC/EC/24/013). Participation was voluntary, and informed consent was obtained from all participants.

## RESULTS

A total of 560 out of 580 respondents completed and returned the questionnaire, yielding a response rate of 96.6%. The majority of respondents (63.6%) were female, resulting in a female-to-male ratio of 1.74:1. Of the respondents, 72.5% considered themselves academically "very good," and 94.1% were satisfied with their monthly allowance. Most respondents came from monogamous family structures, with parents typically in marital unions. The mean age of respondents was 16.9 years, and the average monthly allowance was N22,723.00. The average number of children in respondents' families was 3.8 on the father's side and 3.5 on the

mother's side. The average post-UTME score was 54.2.( Table 1)  
Among the respondents, 92.8% scored above-average EI, though the lowest percentages were

observed for "regulation of emotion" (78.6%) and "others' emotional appraisal" (90.2%).( Figure 1 )  
Additionally, 5.5% of the respondents had psychiatric morbidity.

Table 1: Socio-demographic and family dynamic of the respondents.

<b>Variables</b>	<b>Frequency</b>	<b>Percentage</b>
<b>Gender</b>		
Male	204	36.4
Female	356	63.6
<b>Academic performance</b>		
Good	154	27.5
Very Good	407	72.5
<b>Are you satisfied with your Monthly allowance</b>		
Yes	527	94.1
No	33	5.9
<b>What is your position among your father's children</b>		
First child	236	42.1
Others	324	57.9
<b>What is your position among your mother's children</b>		
First child	249	44.5
Others	311	55.5
<b>Marital Status of your parent</b>		
Married	487	87.0
Non married	73	13.0
<b>Family Type</b>		
Monogamy	528	94.3
Polygamy	32	5.7
<b>Father occupation category</b>		
Civil servant	317	56.6
Non-servant	232	41.4
Non-employed	11	2.0
<b>Mother's Occupation Category</b>		
Civil servant	308	55.0
Non civil servant	247	44.1
Non employed	5	0.9
<b>Mother's level of education</b>		
Graduate	464	82.9
Undergraduate	96	17.1
<b>Father's level of education</b>		
Graduate	437	78.0
Undergraduate	123	22.0
<b>Age (years±SD)</b>	16.9±1.7	
<b>Age range (years)</b>	14-26	
<b>Average monthly allowance (Naira)</b>	22723±10465	
<b>Average number of children of the father</b>	3.8±1.4	
<b>Average number of children of the mother</b>	3.5 ±1.1	
<b>Mean Father's Age</b>	52.1±6.6	
<b>Mean Mother's Age</b>	48.0 ±5.0	
<b>Mean Post UTME score</b>	54.2 ±12.0	

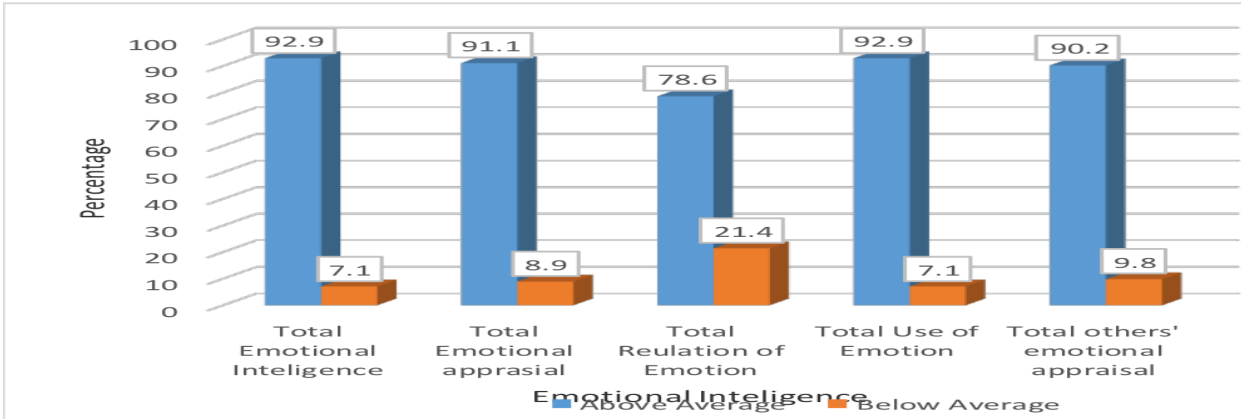


Figure 1: Extent of EI among the respondents

**Association between socio-demographics, family dynamics, and EI:** A significant association was found between self-perceived academic performance and EI. 95.6% of respondents who considered themselves "very good" academically exhibited above-average EI, compared to 85.7% of those who considered themselves "good" ( $X^2 =$

16.340,  $p = 0.001$ ). Similarly, parental marital status was strongly associated with EI. Respondents with married parents showed higher rates of above-average EI (95.9%) compared to those with non-married parents (72.6%) ( $X^2 = 51.920, p = 0.001$ ). (Table 2)

Table 2: Association between the socio-demographic, family dynamics and EI using Chi- square.

Variable	Below average	above average	P value
Gender			
Male	18(8.8%)	186(91.2%)	0.242
Female	22(6.2%)	334(93.5%)	
Academic Performance			
Good	22(14.3%)	132(85.7%)	0.001
Very Good	18(4.4%)	388(95.6%)	
Are you satisfied with your monthly allowance?			
Yes	40(7.6%)	487(92.4%)	0.101
No	0(0.0%)	33(100.0%)	
What is your position among your fathers' children?			
First child	18(7.6%)	218(92.2%)	0.704
Others	22(6.8%)	302(93.2%)	
What is your position among your mothers' children?			
First child	18(7.2%)	231(92.8%)	0.944
Other	22(7.1%)	289(92.9%)	
Marital status of the parents			
Married	20(4.1%)	467(95.9%)	<b>0.001</b>
Non married	20(27.4%)	53(72.6%)	
Family type			
Monogamy	39(7.4%)	489(92.6%)	0.363
Polygamy	1(3.1%)	31(96.9%)	

Table 2: continued...

Father occupation category			
Civil servant	18(5.7%)	299(94.3%)	0.151
Non civil servant	22(9.5%)	210(90.5%)	
Non employed	0(0.0%)	11(100.0%)	
Mother occupation category			
Civil servant	26(8.4%)	282(91.6%)	0.372
Non civil servant	14(5.7%)	233(94.3%)	
Non employed	0(0.0-%)	5(100.0%)	
Mother's level of education			
Graduate	37(8.0%)	427(92.0%)	0.093
Undergraduate	3(3.1%)	93(96.9%)	
Father's level of education			
Graduate	29(6.6%)	408(93.4%)	0.380
Undergraduate	11(8.9%)	112(91.1%)	

Respondents with above-average EI had lower average monthly allowances, fewer children from their mothers, and lower Post UTME scores compared to those with below-average EI. These

associations were statistically significant ( $T = 2.220$ ,  $p = 0.027$ ;  $T = 2.764$ ,  $p = 0.006$ ;  $T = 4.817$ ,  $p = 0.001$ , respectively). (Table 3)

Table 3: Association between the mean of the socio-demographic, family dynamics and EI using independent T-test

Variables	Below average	Above average	P-value
Age (years±SD)	16.4(±0.7)	16.9(±1.8)	0.087
Average monthly income (Naira±SD)	26250.0(±14489.2)	22451.9(±10057.5)	0.027
How many children has your father	3.6(±0.5)	3.8(±1.4)	0.269
How many children has your mother	3.9(±0.4)	3.5(±1.1)	0.006
Father's Age (years)	53.0(±7.6)	52.0(±6.5)	0.375
Mother's Age (years)	48.8(±5.1)	47.7(±5.0)	0.001
Post Jamb Score	62.9(±7.8)	53.6(±12.0)	0.001

**Association between psychiatric morbidity and EI:** Respondents without psychiatric morbidity had significantly higher rates of above-average EI

(94.3%) compared to those with psychiatric morbidity ( $X^2 = 31.209$ ,  $p = 0.001$ ).

#### **Socio-demographic and Family Predictors of EI:**

The odds of having above-average EI were significantly higher among respondents with married parents ( $OR = 13.446$ ,  $p < 0.001$ ). Conversely, respondents who considered themselves "good" academically had a 0.059 times decreased odds of having above-average EI compared to those who saw themselves as "very good" ( $p < 0.001$ ).

The odds of having above-average EI increased by one unit with each additional scale of monthly allowance ( $p = 0.034$ ). However, the odds decreased by 0.889 for each increase in Post UTME score ( $p < 0.001$ ). Furthermore, the odds of above-average EI decreased by 0.481 for each additional child from the mother ( $OR = 0.481$ ,  $p < 0.001$ ). (Table 4)

Table 4: Socio-demographic and family predictors of EI using logistic regression.

number	Variables	Odd Ratio	95 % CI		Pvalue
			low	High	
1	<b>Marital status(parent)</b> Non married(Ref) Married(1)	13.466	4.752	38.157	<0.001
2	<b>Academic performance</b> Very good(ref) Good(1)	0.059	0.019	0.179	<0.001
3	<b>AMI</b>	1.000	1.000	1.000	<b>0.034</b>
4	<b>Post UTME</b>	0.889	0.842	0.938	<0.001
5	<b>Mother children</b>	0.481	0.319	0.725	<0.001

## DISCUSSION

This study explored the relationship between Emotional Intelligence (EI), academic achievement, family dynamics, and psychiatric morbidity among fresh health sciences undergraduates. It further examined how sociodemographic and family factors relate to EI and identified the correlates of EI in a low- to middle-income economy. The findings provide valuable insights into the role of EI in students' academic and psychological well-being.

This study aimed to investigate the relationship between EI and academic achievement, family dynamics, and psychiatric morbidity among fresh health sciences undergraduates. It also explored the associations between high EI and various socio-demographic and family factors within the context of a low- to middle-income economy.

The average age of respondents was 16.9 years, consistent with prior findings from fresh undergraduates in Lagos, Nigeria (20). A higher proportion of respondents were female, which aligns with the growing trend of feminization in health sciences education.

As shown in Table 1, the majority of respondents' parents were literate, employed as civil servants, and graduates. Parental influence plays a crucial role in children's lives. Parents with higher education tend to place significant value on academic achievement, which can lead to higher student performance (21). Similar studies have reported that children of highly educated parents tend to achieve better academic outcomes, with maternal education being a particularly strong predictor of students' GPA (22). Most respondents

came from monogamous family settings. Monogamy remains prevalent in society due to its association with emotional stability, commitment, and social acceptance (23). The academic rigor required for health sciences courses likely contributed to the respondents' strong academic performance.

Approximately 92.9% of respondents demonstrated above-average EI, a notably higher percentage than the 14.1% of clinical medical students in Ghana (24). While it is expected that EI improves with age and university education, the marked difference in the proportion of fresh undergraduates exhibiting high EI compared to clinical students may be due to variations in assessment tools and categorization. Similar studies, such as those conducted with postgraduate students at Kerman University of Medical Sciences in Iran, have reported similarly high EI scores using the Bradberry and Greaves EI questionnaire (25, 26). However, longitudinal studies are needed to track changes in EI throughout the course of health sciences education.

Despite the high overall EI levels, respondents exhibited lower emotional regulation and emotional appraisal scores. Emotional regulation is an essential aspect of human behavior, enabling individuals to manage and control their emotions effectively (27). Self-awareness plays a pivotal role in emotional regulation, helping individuals identify emotional triggers and manage their responses. The four dimensions of EI—self-awareness, self-regulation, social awareness, and relationship management—are interdependent, with accurate self-emotion appraisal being crucial for emotional regulation (28). Furthermore, understanding others' emotions is key to forming



strong interpersonal relationships, which further aids in managing one's own emotions (29).

The study found a psychiatric morbidity prevalence of 5.5%, which is lower than the 25.5% reported in a similar study among undergraduates in health-related disciplines in Southwestern Nigeria (30). Reducing psychiatric morbidity can positively affect EI in several ways. Addressing mental health challenges can improve emotional regulation, enabling individuals to better express and manage their emotions, a core component of EI (31). Mental health improvement also increases self-awareness, allowing individuals to better understand their emotional responses (32). Reduced psychiatric morbidity fosters healthier interpersonal relationships, as individuals engage in more positive communication and empathy. Additionally, better mental health supports improved cognitive functioning, which enhances decision-making and problem-solving skills—key elements of EI (33).

The study identified several predictors of above-average EI, including parental marital status, self-rated academic performance, increased monthly allowance, low post-UTME scores, and mothers with fewer children. Emotional skills are shaped through parental guidance and role modeling. A stable marital environment fosters emotional bonds and trust, both of which are essential for developing EI (34). Parental communication and conflict resolution skills also influence emotional development. Smaller families with fewer children provide more individualized attention, which enhances emotional intelligence through closer emotional connections with the mother (35). Fewer siblings may also reduce sibling rivalry, allowing the child to focus on emotional development without added stressors.

Academic ability is often associated with self-confidence and resilience, both of which contribute to emotional intelligence. Self-perception of academic success can foster self-awareness and improve interpersonal communication (36). However, high IQ students may not always exhibit high EI, as perfectionism, pressure to excel, and a focus on rational thinking may hinder emotional development (37). This may partly explain the inverse relationship observed between EI scores

and post-UTME scores in this study, which suggests a disconnect between academic self-perception and objective validation. Further investigation through longitudinal studies is needed to better understand this relationship.

Financial support, as indicated by an increased monthly allowance, has a positive impact on EI. Higher allowances reduce stress, improve quality of life, and facilitate emotional resilience (38). Increased financial support also encourages social interaction and enhances communication skills, which are essential for emotional development (39).

This study found that a significant proportion of respondents in a health sciences university exhibited above-average emotional intelligence, a trend that was higher than reported in other low- and middle-income countries. While most respondents demonstrated strong EI, concerns were raised about the use of emotion and emotional appraisal. The study suggests that age and academic training may enhance EI, though longitudinal follow-up is needed to confirm these findings. The study also found a discrepancy between self-perception of academic ability and post-UTME scores, highlighting the need for further exploration of the potential impact of self-awareness on academic and career outcomes.

Based on the findings, several recommendations are made:

Intervention programs should focus on improving emotional intelligence, especially for individuals with psychiatric morbidity. Programs strengthening family structures and enhancing parental support are recommended, as students with married parents were more likely to exhibit higher EI.

Financial stability or support should be provided to students, as increased allowances were associated with better EI outcomes.

A mixed-method study design incorporating both qualitative and quantitative approaches could provide deeper insights into the interplay between EI, family dynamics, and mental well-being. This study is one of the first to investigate the relationship between family dynamics, academic performance, and EI among fresh undergraduates in a health sciences university. However, it is



cross-sectional, limiting the ability to establish causality. The self-reported nature of the data introduces the potential for bias, and concerns about identification and stigma could have influenced how participants responded to the questionnaire items.

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### REFERENCES

- Anwar MR, Oganda FP, Santoso NP, Fabio M. Artificial intelligence that exists in the human mind. *International Transactions on Artificial Intelligence*. 2022 Nov 24;1(1):28-42.
- Mangaleswarasharma R. Cognitive Intelligence, Emotional Intelligence, and Coping with Examination Stress: A Mixed Method Study on Academic Adjustment of Adolescent Students in Sri Lankan Government Schools. 2022;
- Caruso DR, Salovey P, Brackett M, Mayer JD. The Ability Model of Emotional Intelligence. *Posit Psychol Pract Promot Hum Flourishing Work Heal Educ Everyday Life Second Ed*. 2015 Jun 30;543-58.
- Codier E, Odell E. Measured emotional intelligence ability and grade point average in nursing students. *Nurse Education Today*. 2014 Apr 1;34(4):608-12.
- Ranasinghe P, Wathurapatha WS, Mathangasinghe Y, Ponnampereuma G. Emotional intelligence, perceived stress and academic performance of Sri Lankan medical undergraduates. *BMC Med Educ*. 2017 Feb 20;17(1):1-7.
- Wijekoon CN, Amaratunge H, De Silva Y, Senanayake S, Jayawardane P, Senarath U. Emotional intelligence and academic performance of medical undergraduates: A cross-sectional study in a selected university in Sri Lanka. *BMC Med Educ*. 2017 Sep 25;17(1):1-11.
- Suleman Q, Hussain I, Syed MA, Parveen R, Lodhi IS, Mahmood Z. Association between emotional intelligence and academic success among undergraduates: A cross-sectional study in KUST, Pakistan. *PLoS One*. 2019 Jul 1;14(7):e0219468.
- Afolabi OA. Roles of Personality Types, Emotional Intelligence and Gender Differences on Prosocial Behavior. *Psychol Thought*. 2013 Apr 30;6(1):124-39.
- Ruiz-Aranda D, Extremera N, Pineda-Galán C. Emotional intelligence, life satisfaction and subjective happiness in female student health professionals: the mediating effect of perceived stress. *J Psychiatr Ment Health Nurs*. 2014 Mar 1;21(2):106-13.
- Mumtaz S, Ayaz H, Kamrani F. Family Structure as Determinant of Emotional Intelligence Of Adolescents. *Pakistan J Soc Res*. 2023;5(1):308-13.
- Ononye U, Ndudi F, Bereprebofa D, Maduemezia I. Academic resilience, emotional intelligence, and academic performance among undergraduate students. *Knowledge and Performance Management*. 2022;6(1):1.
- Khatoon A, Afzal A, Kiran K, Ijaz B. Effects of emotional intelligence on students academic performance. *Journal La Edusci*. 2020 May 19;1(2):13-8.
- Breit M, Preckel F. Incremental validity of specific cognitive abilities beyond general intelligence for the explanation of students' school achievement. *Gifted and Talented International*. 2020 Jul 2;35(2):73-85.
- Bru-Luna LM, Martí-Vilar M, Merino-Soto C, Cervera-Santiago JL. Emotional intelligence measures: A systematic review. *InHealthcare* 2021 Dec 7 (Vol. 9, No. 12, p. 1696). MDPI.
- Rix J, Ingham N. The impact of education selection according to notions of intelligence: A systematic literature review. *International Journal of Educational Research Open*. 2021 Jan 1;2:100037.
- Salami SO, Ajitoni SO. Job characteristics and burnout: The moderating roles of emotional intelligence, motivation and pay among bank employees. *Int J Psychol*. 2016 Oct 1;51(5):375-82.
- Park HJ, Yu S. Validity and reliability of the Korean version of the Wong and Law emotional intelligence scale for nurses. *Sage Open*. 2021 Jun;11(2):21582440211023202.

18. Nouri F, Feizi A, Roohafza H, Sadeghi M, Sarrafzadegan N. How different domains of quality of life are associated with latent dimensions of mental health measured by GHQ-12. *Health Qual Life Outcomes*. 2021 Dec 1;19(1):1–16.
  19. Anjara SG, Bonetto C, Van Bortel T, Brayne C. Using the GHQ-12 to screen for mental health problems among primary care patients: Psychometrics and practical considerations. *Int J Ment Health Syst*. 2020 Aug 10;14(1):1–13.
  20. Aroyewun BA, Karatu BA, Onyegesi G. Anxiety and fear of negative evaluation as predictors of hypomanic activity among freshly admitted university students in Lagos Nigeria. *Kabale University Interdisciplinary Research Journal*. 2023 May 31;2(1):41-50.
  21. Morgan AC, LaBerge N, Larremore DB, Galesic M, Brand JE, Clauset A. Socioeconomic roots of academic faculty. *Nature human behaviour*. 2022 Dec;6(12):1625-33.
  22. Azhar M, Nadeem S, Naz F, Perveen F, Sameen A. Impact of Parental Education and Socio-Economic Status on Academic Achievements Of University Students. *Eur J Psychol Res*. 2014;1(1).
  23. Andrade G. Monogamy as a Force of Social Progress and Women's Empowerment. *Hum Aff*. 2023 Jan 1;34(1):1–14.
  24. Lawson HJ, Yigah M, Yamson P. Emotional intelligence in medical students at the University of Ghana Medical School, Accra, Ghana. *Ghana Med J*. 2021 Mar 31;55(1):52–9.
  25. Sheikhbardsiri H, Sheikhasadi H, Mahani SA, Mohamadi MM. Emotional intelligence and learning strategies of postgraduate students at Kerman University of Medical Sciences in the southeast of Iran. *Journal of education and health promotion*. 2020 Jan 1;9(1):66.
  26. Sarani A, Mousavi SH, Salahi S, Hasani F, Abdar ZE, Sheikhbardsiri H. Emotional intelligence and self-efficacy among deputy's administrative staff of Kerman University of Medical Sciences. *Journal of education and health promotion*. 2020 Jan 1;9(1):105.
  27. Khatib M El, Almteiri M, Aysha S, Qasemi A. The Correlation between Emotional Intelligence and Project Management Success. *iBusiness*. 2021 Feb 25;13(01):18–29.
  28. Halimi F, AlShammari I, Navarro C. Emotional intelligence and academic achievement in higher education. *J Appl Res High Educ*. 2020;13(2):485–503.
  29. Hartina I, Tharbe A, Sumari M, Ng KM, Aznin N, Razak A, et al. SOCIAL SCIENCES & HUMANITIES Emotional Intelligence from Perspectives of Malaysian Helping Professionals: A Qualitative Study. *Pertanika J Soc Sci Hum*. 2020;28(4):2529–48.
  30. Falade J, Akinsulore A, Tobih JE, Ogundiran O, Adeosun AA, Ogunkeyede SA, et al. Prevalence and Correlates of Psychiatric Morbidities among Undergraduates in Health-Related Disciplines in Southwestern Nigeria. *Int J Humanit Soc Stud*. 2019 Sep 30;7(9).
  31. Kraiss JT, ten Klooster PM, Moskowitz JT, Bohlmeijer ET. The relationship between emotion regulation and well-being in patients with mental disorders: A meta-analysis. *Compr Psychiatry*. 2020 Oct 1;102:152189.
  32. Morin A. Self-Awareness Part 1: Definition, Measures, Effects, Functions, and Antecedents. *Soc Personal Psychol Compass*. 2011 Oct 1;5(10):807–23.
  33. Hess JD, Bacigalupo AC. Enhancing decisions and decision-making processes through the application of emotional intelligence skills. *Manag Decis*. 2011 May;49(5):710–21.
  34. Merkaš M, Perić K, Žulec A. Parent Distraction with Technology and Child Social Competence during the COVID-19 Pandemic: The Role of Parental Emotional Stability. *J Fam Commun*. 2021 Jul 3;21(3):186–204.
  35. Sánchez-Núñez MT, García-Rubio N, Fernández-Berrocal P, Latorre JM. Emotional Intelligence and Mental Health in the Family: The Influence of Emotional Intelligence Perceived by Parents and Children. *Int J Environ Res Public Heal* 2020, Vol 17, Page 6255. 2020 Aug 27;17(17):6255.
  36. Homepage J, Lukaka D. Art Education and its Impact on Creativity and Critical Thinking
-

- Skills: A Review literature. *Int J Arts Humanit* . 2023 Sep 4;1(1):31–9.
37. Samnøy S, Thurston M, Wold B, Jenssen ES, Tjomsland HE. Schooling as a contribution or threat to wellbeing? A study of Norwegian teachers' perceptions of their role in fostering student wellbeing. *Pastor Care Educ*. 2022 Jan 2;40(1):60–79.
38. Asandimitra N, Kautsar A. The Influence of Financial Information, Financial Self Efficacy, and Emotional Intelligence To Financial Management Behavior Of Female Lecturer. *Humanit Soc Sci Rev*. 2019;7(6):1112–24.
39. Solis O, Durband DB. Financial support and its impact on undergraduate student financial satisfaction. *College Student Journal*. 2015 Mar 1;49(1):93-105.
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